

WORKS TO EXISTING SHIELDED ROOMS — OPENINGS, SERV... ACTIVITY RAMS — ADAPT TO SITE BEFORE USE

New penetrations · relocated outlets · equipment fixings · reinstating the shielding after the work

KD-RAMS-RS-002 Rev A0

Statutory basis: HSWA 1974 s.2(2)(a) and MHSWR 1999 regs 3 and 5 — this document is the recorded safe system of work. Ionising Radiations Regulations 2017 govern work in or on the shielding of controlled and supervised areas — the employer's radiation protection adviser (RPA) specifies the shielding and inspects it before it is covered, and the radiation protection supervisor (RPS) controls entry under local rules (regs 17–19); work near live sources needs the controlled-area permit (KD-PTW-RA-030). The Control of Lead at Work Regulations 2002 with ACOP L132 (3rd edition, 2002) apply to handling and cutting lead sheet and lead-lined board; Manual Handling Operations Regulations 1992 to the weight of it; COSHH 2002 to barium plaster dust. Prepared against legislation current at 10/08/2026.

1 DOCUMENT AND PROJECT IDENTIFICATION

RAMS REFERENCE	PROJECT / SITE REF	SITE NAME AND ADDRESS	DATE PREPARED	NEXT REVIEW DATE
CLIENT / PRINCIPAL CONTRACTOR	PLANNED START	DURATION	OPERATIVES	SUPERVISING THE WORK

2 SCOPE OF WORKS

Alterations to existing shielded rooms: forming new penetrations for services or equipment, relocating outlets, fixing equipment through lead-lined walls, and reinstating the shielding to the RPA's specification — with the RPA's inspection before covering.

This document does not cover: equipment installation by the imaging supplier and the source itself.

SITE-SPECIFIC SCOPE, LOCATIONS AND LIMITATIONS

3 RISK ASSESSMENT — SCORE EACH RISK FOR THIS SITE, THEN ADD WHAT IS MISSING

The hazards and controls below are the starting point for this activity, written by a working main contractor. They are not complete for your site until a competent person has scored each risk, added the site-specific hazards, and struck out anything that does not apply. Rate risks High / Medium / Low before and after controls.

1. A gap in the shielding — at a joint, a fixing, a service penetration or a door frame — that lets radiation throughAt risk: Staff and public in adjacent areas

Controls: Shielding to the RPA's specification exactly: joints lapped with lead strip, fixings covered with lead discs, every penetration and back-box shielded, door and frame overlap as specified; RPA inspection HOLD before any covering; nothing cut into the shielding after inspection without the RPA.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

2. Lead — inhalation of fume or dust, ingestion from hands, absorption

At risk: Operatives

Controls: Cold cutting only (shears, knife) — no grinding or hot cutting of lead; gloves; no eating, drinking or smoking in the work area; hand washing before breaks; lead-in-air assessment and blood-lead monitoring where CLAW requires; waste lead segregated and consigned.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

3. Striking hidden services when drilling, cutting or fixing

At risk: Operatives

Controls: Check drawings and the services register, scan with a CAT before drilling or chasing into existing fabric, respect safe zones, and stop and reassess if an unrecorded service is found.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

4. Interface with occupants, other trades and the public

At risk: Occupants, other trades, the public

Controls: Segregate the work area — barriers, signage, sheeting; agree access routes and working hours with the occupier; never obstruct escape routes; deliveries and waste runs outside peak movement times where agreed.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

5. Working in a room with a live source, or next to one

At risk: Operatives

Controls: Controlled-area permit from the RPS; source switched off and secured or work scheduled outside exposure; local rules briefed; dose badges where the RPA requires.

INITIAL (H/M/L)	RESIDUAL (H/M/L)	SITE-SPECIFIC ADDITIONAL CONTROLS, OR N/A	ACTION OWNER	BY WHEN

Site-specific hazards not listed above — every site has at least one:

HAZARD	WHO IS AT RISK	CONTROLS	INITIAL HI...	RESIDUAL...	ACTION OWNER	BY WHEN

4 METHOD — SEQUENCE OF WORK

- 01 RPA specifies the reinstatement for every new penetration or fixing before it is made; RPS issues the controlled-area permit.
- 02 Form the opening by cold methods; shield the penetration with lead to the RPA's detail — sleeve, boot or baffle as specified.
- 03 Reinstall lead over fixings and around the opening; overlaps as specified.
- 04 RPA inspects before any finish covers the reinstatement; hold released on the KD-QA record; finish.

SITE-SPECIFIC AMENDMENTS TO THE SEQUENCE

5 PLANT, EQUIPMENT AND MATERIALS

Hole saw / cold cutting for lead-lined board

Lead sheet and strip

INSPECTION / THOROUGH EXAMINATION REFS

COSHH ASSESSMENT REFS

6 PPE — THE LAST LINE OF CONTROL, NOT THE FIRST

Head protection

High visibility

Eye protection

Safety footwear

Gloves — task-rated

Hearing protection

RPE TYPE, FACE-FIT STATUS, AND ANY OTHER PPE REQUIRED

7 PERMITS REQUIRED BEFORE THIS WORK STARTS

A permit authorises this work in that place, on that day. It extends the safe system of work in this document — it does not replace it (HSE HSG250). The site issues the permit; record its number before work starts.

KD-PTW-RA-030 — Controlled Area Permit — Ionising Radiation

Always in a room with a source.

PERMIT NUMBER

KD-PTW-SC-028 — Permit to Cut or Core Structure

Where the shielded wall is structural.

PERMIT NUMBER

8 EMERGENCY ARRANGEMENTS — COMPLETE FOR THIS SITE

FIRST AIDER AND LOCATION

NEAREST A&E

ASSEMBLY POINT

HOW THE ALARM IS RAISED

EMERGENCY ACCESS FOR THIS WORK AREA

SPILL / ENVIRONMENTAL RESPONSE

9 BRIEFING RECORD — EVERYONE WORKING UNDER THIS RAMS SIGNS BEFORE STARTING

By signing you confirm the contents of this RAMS have been explained to you, you understand the hazards and controls, and you will work to the sequence stated. Tell the supervisor if the work or the site does not match this document — work stops until it does.

NAME	COMPANY	SIGNATURE	DATE

10 PREPARED AND ACCEPTED

Prepared / adapted for this site by — I confirm I have adapted this document to the site, scored the risks, and that it describes how the work will actually be done.

PRINTED NAME	ROLE / COMPETENCE	COMPANY	SIGNATURE	DATE	TIME

Accepted for the site by — principal contractor or site manager review.

PRINTED NAME	ROLE	COMPANY	SIGNATURE	DATE	TIME

Review this RAMS if the work, the site or the law changes, and at least before each new phase of the works. Flatten the completed PDF before filing so the record cannot be silently edited.

R REVISION HISTORY

Every revision of this document, and every review that found nothing to change. The revision on the front of this sheet is the one you are holding — check kubitdocs.com for the current one before use.

Rev	Date	Class	What changed	Authorised by
D0	2026-08-28	first-issue	First issue.	— not yet approved —
A0	2026-08-29	review	Approved for issue by the author. Content unchanged from the draft; the draft status strip is removed. No independent third-party review has been carried out.	Author — director, UK principal contractor, SMSTS. Not an independent review.

Class: first-issue · material (the law, a control, a field or the scope changed — past buyers are notified) · editorial (wording or layout only) · review (checked, nothing changed) · withdrawal. Revision prefix D = draft, not approved and not for sale; A = approved for issue by the person named, on the date shown.